CLAIMS

What is claimed is:

1. An inventory control device comprising:

a sensor to sense a position of an access device of a data storage system, the access device having an open position and a closed position;

a circuit, communicatively coupled to the sensor, to output a circuit state indicating if the access device was opened while the data storage system was shut down; and

control logic, communicatively coupled to the circuit, to cause the data storage system to inventory one or more storage locations associated with the access device only if the circuit state indicates the access device was opened.

2. The device of claim 1, wherein the access device comprises a data storage drawer.

3. The device of claim 2, wherein the storage locations comprise data cartridge locations within the data storage drawer.

4. The device of claim 1, wherein if the circuit state indicates the access device was opened, the control logic is further to reset the circuit state to a state indicating the access device was not opened.

5. The device of claim 1, wherein if the circuit state indicates the access device was opened, the control logic is further to determine a current position of the access device by resetting the circuit, and after resetting the circuit, re-obtaining the circuit state.

6. The device of claim 1, wherein the sensor comprises an optical interrupter.

7. A method comprising:

obtaining a circuit state from a circuit, the circuit state indicating if an access device of a data storage system was opened while the data storage system was shut down; and

causing the data storage system to perform an inventory on one or more storage locations associated with the access device if the circuit state indicates the access device was opened.

8. The method of claim 7, further comprising:

if the circuit state indicates the access device was opened, resetting the circuit state to a state indicating the access device was not opened.

9. The method of claim 7, further comprising determining a current position of the access device by obtaining a second circuit state from the circuit.

10. The method of claim 9, wherein determining a current position comprises:

resetting the circuit; and

after resetting the circuit, re-obtaining the circuit state from the circuit.

11. The method of claim 7, wherein causing the data storage system to perform the inventory comprises:

determining a current position of the access device; and

if the access device has a current position of open, waiting to perform the inventory until the access device is moved to a closed position.

12. The method of claim 7, wherein the access device comprises a data storage drawer.

13. An inventory control device comprising:

sensing means for sensing the position of an access device means of a data storage system means, the access device means having an open position and a closed position;

circuit means communicatively coupled to the sensing means, the circuit means to output a circuit state indicating if the access device means was opened while the data storage system means was shut down; and

logic means communicatively coupled to circuit means, the logic means to cause the data storage system means to inventory one or more storage location means associated with the access device means.

14. The device of claim 13, wherein if the circuit means indicates the access device means was opened, the logic means is further to reset the circuit means to a state indicating the access device was not opened.

15. The device of claim 13, wherein if the circuit means indicates the access device means was opened, the logic means is further to determine a current position of the access device means.

16. The device of claim 13, wherein the logic means is to cause the data storage system means to inventory the one or more storage location means associated with the access device means only if the circuit means indicates the access device was opened.

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